

Embryology.—SOUÈGES, in continuation of his work on the embryology of Angiosperms, has published several recent contributions. *Rheum Emodi*²⁰ is presented as a further representative of the Polygonaceae. *Chenopodium Bonus-Henricus*²¹ is the subject of an unusually full treatment. In the presentation of the embryogeny of the Labiatae, *Glechoma hederacea* and *Lamium purpureum* form the subject of one paper,²² and in the second paper²³ *Mentha viridis* is used. The Scrophulariaceae are represented by *Veronica arvensis*.²⁴ The presentation of the embryogeny of *Urtica pilulifera*²⁵ is completed with two papers.—J. M. C.

Overgrowth of stumps.—The overgrowth of the upper ends of stumps of *Pseudotsuga* and of *Abies grandis* has been observed by PEMBERTON¹⁶ in British Columbia. Careful excavation showed that in every case root grafting with living trees existed, the connected roots providing an avenue for food conduction to the stump, and this he believes to be the true explanation of the interesting phenomenon.—GEO. D. FULLER.

Addisonia.—The fourth number completing Vol. 5 of this publication appeared in December 1920, and the first number of Vol. 6 appeared in March 1921. The fine colored illustrations and popular descriptions form a collection that should be in every botanical library.—J. M. C.

Potassium and growth of plants.—SMITH and BUTLER²⁷ have published a report of rather extensive work on the effect of potassium on the growth of plants. It confirms all the old findings and gives quantitative data on several new plants.—WM. CROCKER.

²⁰ SOUÈGES, R., Recherches sur l'embryogénie des Polygonacées (suite). Bull. Soc. Bot. France 67:75-85. 1920.

²¹ ———, Développement de l'embryon chez le *Chenopodium Bonus-Henricus* L. *Ibid.* 67:233-257. figs. 40. 1920.

²² ———, Embryogénie des Labiées. Développement de l'embryon chez le *Glechoma hederacea* L. et *Lamium purpureum* L. Compt. Rend 1921:48-50.

²³ ———, Développement de l'embryon chez le *Mentha viridis* L. *Ibid.* 1921:1057, 1058.

²⁴ ———, Embryogénie des Scrophulariacées. Développement de l'embryon chez le *Veronica arvensis* L. *Ibid.* 1921:703-705.

²⁵ ———, Développement de l'embryon chez l'*Urtica pilulifera* L. Bull. Soc. Bot. France 68:172-188; 280-294. figs. 57. 1921.

²⁶ PEMBERTON, C. C., Overgrowth of stumps of conifers. Can. Field Nat. 35:81-87. figs. 4. 1921.

²⁷ SMITH, T. O., and BUTLER, O., Relation of potassium to growth in plants. Ann. Botany 35:189-225. 1921.